

In the claims:

Claim 1 (Currently Amended): A system ~~by which a customer determines ordering, manufacturing at a selected site and delivery without shipping of a tangible device sold by a seller, for manufacturing a chemical mechanical polishing pad for polishing a semiconductor substrate, the system~~ comprising:

a seller's computer for receiving an order for a tangible device the polishing pad from a customer, selecting manufacturing process commands to manufacture the device polishing pad as ordered, verifying that the selected site has the capability and an open schedule to manufacture the device polishing pad as ordered, scheduling the manufacturing during the open schedule, and providing an order fulfillment schedule and status tracking of the order,

a manufacturing control computer for providing the manufacturing process commands to a production unit at the site, the manufacturing control computer providing a site schedule and a record of maintenance fulfillment indicating capability and readiness of the production unit to manufacture the tangible device polishing pad, and

a wherein the production unit at the site is adapted for manufacture of the tangible device polishing pad substantially without human intervention upon direction of manufacturing process commands supplied by the manufacturing control computer.

Claim 2 (Original): The system according to claim 1 wherein, the production unit comprises a stereolithography forming machine.

Claim 3 (Original): The system according to claim 1 wherein, the production unit comprises an inkjet printer adapted to deposit droplets of liquid phase polymer material.

Claim 4 (Original): The system according to claim 1 wherein, the manufacturing control computer comprises; a manufacturing processes processor storing and retrieving information from a manufacturing processes data base, and adapted for use by the seller's computer to verify the property interest of the customer in the production unit.

Claim 5 (Original): The system according to claim 1 wherein, the manufacturing control computer comprises; a supply chain fulfillment processor storing and retrieving information from a supply chain fulfillment data base and providing a record of supply chain managers and a supply chain fulfillment report indicating completion of supply chain instructions and the readiness of the production unit.

Claim 6 (Original): The system according to claim 1 wherein, the manufacturing control computer comprises; a site schedule processor storing and retrieving information from a site schedule data base, and providing the seller's computer with a maintenance schedule, a production schedule and an open schedule for the production unit.

Claim 7 (Original): The system according to claim 1 wherein, the manufacturing control computer comprises; a production fulfillment processor storing and retrieving information from a production fulfillment data base, and adapted for use by the seller's computer to provide the customer with an order tracking and order fulfillment report.

Claim 8 (Original): The system according to claim 1 wherein, the production unit comprises; a maintenance fulfillment processor storing and retrieving information from a maintenance fulfillment data base, and adapted to provide a record of maintenance fulfillment.

Claim 9 (Currently Amended): The system according to claim 1 wherein, the seller's computer comprises; a device attributes processor storing and retrieving information from a device attributes data base, and adapted to provide a customer with numerous ~~tangible devices~~ polishing pads for selection by the customer according to the device attributes.

Claim 10 (Currently Amended): The system according to claim 1 wherein, the seller's computer comprises; a billing and payment processor and a billing and payment data base verifying payment for the ~~tangible device~~ polishing pad ordered by the customer, and for determining the a property interest of the customer in the production unit.

Claim 11 (Currently Amended): A process ~~by which a customer determines ordering, manufacturing at a selected site and delivery without shipping of a tangible device sold by a seller;~~ for manufacturing a chemical mechanical polishing pad for polishing a semiconductor substrate, the process comprising:

receiving an order for ~~a tangible device~~ the polishing pad from a customer,
selecting manufacturing process commands to manufacture the device polishing pad as ordered,

verifying that the a selected site and a production unit at the site have the capability and an open schedule to manufacture the device polishing pad as ordered,

scheduling the manufacturing during the open schedule,

providing an order fulfillment schedule and status tracking of the order,

providing a site schedule and a record of maintenance fulfillment indicating capability and readiness of the production unit to manufacture the ~~tangible device~~ polishing pad,

providing manufacturing process commands to a the production unit at the site,

and

manufacturing the ~~tangible device~~ polishing pad substantially without human intervention upon direction of the manufacturing process commands supplied by a seller's computer to a manufacturing control computer.

Claim 12 (Currently Amended): The process according to claim 11 wherein, the step of manufacturing the ~~tangible device~~ polishing pad substantially without human intervention further includes the step of forming the device polishing pad by a stereolithography forming machine.

Claim 13 (Currently Amended): The process according to claim 11 wherein, the step of manufacturing the ~~tangible device~~ polishing pad substantially without human intervention further includes the step of successive molecular deposition onto an area pattern.

Claim 14 (Currently Amended): The process according to claim 11, ~~and~~ further including the steps of verifying ~~the a~~ property interest of the customer in the production unit, and apportioning according to the property interest ~~the~~ income, interest, depreciation, taxes, insurance and financial accounting adjustments.

Claim 15 (Original): The process according to claim 11, further including the steps of; providing a record of supply chain managers, and providing a supply chain fulfillment report indicating completion of supply chain instructions and the readiness of the production unit.

Claim 16 (Original): The process according to claim 11, further including the step of; providing a maintenance schedule, a production schedule and an open schedule for the production unit.

Claim 17 (Original): The process according to claim 11, further including the steps of; storing and retrieving information from a production fulfillment data base, and providing the customer with an order tracking and order fulfillment report.

Claim 18 (Currently Amended): The process according to claim ~~1~~ 11, further including the step of; providing a record of maintenance fulfillment indicating readiness of the production unit.

Claim 19 (Currently Amended): The process according to claim 11, further including the step of; providing ~~a the~~ customer with numerous ~~tangible devices~~ polishing pads for selection by the customer according to device attributes of the ~~tangible devices~~ polishing pads.

Claim 20 (Currently Amended): The process according to claim 11, further including the step of; verifying payment for the ~~tangible device~~ polishing pad ordered by the customer, and determining ~~the a~~ property interest of the customer in the production unit.